

Application No. 10/042,284
Amendment dated October 20, 2003'
Page 2

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently amended) A radiation curable composition comprising:
(i) at least one radiation-curable oligomer, said oligomer including diisocyanate residues, wherein at least 50 mole % of the diisocyanates used to form the oligomer is absent a cyclic structure; and
(ii) 0-20 0-10 wt %, relative to the total weight of the composition, of monofunctional reactive diluents, wherein at least 50wt% of said monofunctional reactive diluents is absent an aromatic ring;
wherein said composition has a viscosity of less than 10,000 cps at 25°C; and, after cure, a secant modulus of less than 5 MPa.
2. (Cancelled)
3. (Original) The composition of claim 1, wherein said composition comprises less than 5 wt % of said monofunctional reactive diluents.
4. (Cancelled).
5. (Previously presented) The composition according to claim 1, wherein said composition has a viscosity of less than 3,000 cps in at least part of the range 40°C-60°C.
6. (Previously presented) The composition according to claim 1, wherein a coating obtained by curing said composition has a glass transition temperature of less than -30°C.
7. (Previously presented) The composition according to claim 1, wherein said composition comprises less than 5 wt %, relative to the total weight of the composition, of silicone oligomers.

Application No. 10/042,284
Amendment dated May 21, 2004
Page 3

8. (Previously presented) The composition according to claim 1, wherein said composition is absent any silicone oligomers.
- 9-10. (Cancelled).
11. (Previously presented) The composition according to claim 1, comprising an alkoxyated aliphatic diluent.
12. (Previously presented) The composition according to claim 1, comprising a silane adhesion promoter.
13. (Previously presented) The composition according to claim 1, wherein said composition, after cure, has a secant modulus of less than 1.5 MPa.
14. (Currently amended) A radiation-curable composition comprising:
(i) a radiation-curable oligomer;
(ii) 0-45 wt % of one or more reactive diluents, wherein if said one or more reactive diluents include monofunctional diluents then at least 50wt% of said monofunctional reactive diluents is absent an aromatic ring;
wherein said oligomer comprises diisocyanate residues; at least 50 mole % of the diisocyanates used to form said oligomer is absent a cyclic structure; and said composition has a viscosity of less than 10,000 cps at 25°C, and wherein said composition comprises less than 10 wt % of monofunctional reactive diluents.
15. (Original) The composition of claim 14, wherein at least 65 mole % of the diisocyanates used to form said oligomer is absent a cyclic structure.
16. (Cancelled)
17. (Previously presented) The composition according to claim 14, wherein said composition, after cure, has a secant modulus of less than 5 MPa.

Application No. 10/042,284
Amendment dated May 21, 2004
Page 4

18. (Previously presented) The composition according to claim 14, wherein said composition has a viscosity of less than 3,000 cps in at least part of the temperature range 40°C-60°C.

19. (Previously presented) A coated optical fiber comprising a coating obtained by curing the composition according to claim 1.

20. (Previously presented) A radiation curable composition comprising
(i) at least 85wt% of a urethane (meth)acrylate oligomer; and
(ii) monofunctional reactive diluent, wherein at least 50wt% of said monofunctional reactive diluent is absent an aromatic ring; and
wherein said composition has a viscosity of less than 10,000 cps at 25°C.

21. (Previously presented) The radiation curable composition of claim 1, wherein said composition has a cure speed of less than 0.7 J/cm².

22. (Previously presented) The radiation curable composition of claim 14, wherein said composition has a cure speed of less than 0.7 J/cm².

23. (Previously presented) The radiation curable composition of claim 20, wherein said composition has a cure speed of less than 0.7 J/cm².

24. (New) A radiation curable composition comprising:
(i) at least one radiation-curable oligomer, said oligomer having ethylene oxide and butylene oxide moieties and diisocyanate residues, wherein at least 50 mole % of the diisocyanates used to form the oligomer is absent a cyclic structure; and
(ii) 0-20 wt %, relative to the total weight of the composition, of monofunctional reactive diluents, wherein at least 50wt% of said monofunctional reactive diluents is absent an aromatic ring;

Application No. 10/042,284
Amendment dated May 21, 2004
Page 5

wherein said composition has a viscosity of less than 10,000 cps at 25°C; and, after cure, a secant modulus of less than 5 MPa.